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OM nucleic - nucleic search, using sw model

Run on: November 8, 2001, 08:10:10 : Search time 101.05 Seconds
(without alignments)
13826.252 Million cell updates/sec

Title: US-09-227-881-3

Perfect score: 6169

Sequence: 1 atcttgtagcttactc.....ctgtgccccctcatgtcag 6169

Scoring table:

IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Issued_Patents_NA:*
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6: /cgn2_6/prodata/2/lna/Backfillsl.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	6169	100.0	6169	US-08-938-669A-3	Sequence 3, Appl1
2	5275.4	85.5	5300	US-08-938-669A-1	Sequence 1, Appl1
3	5253.4	85.2	5304	US-08-938-669A-2	Sequence 2, Appl1
4	771.6	12.5	2166	US-08-822-999-1	Sequence 1, Appl1
5	640.4	10.4	1548	US-08-938-669A-26	Sequence 26, Appl1
6	640.4	10.4	1999	US-08-645-900A-2	Sequence 2, Appl1
7	640.4	10.4	1999	US-08-882-238A-2	Sequence 2, Appl1
8	640.4	10.4	1999	US-08-667-790A-2	Sequence 2, Appl1
9	640.4	10.4	1999	US-09-220-459-2	Sequence 2, Appl1
10	640.4	10.4	1999	US-08-546-568B-2	Sequence 2, Appl1
11	638.8	10.4	1995	US-08-791-347-1	Sequence 1, Appl1
12	604.4	9.8	1512	US-08-645-900A-3	Sequence 3, Appl1
13	604.4	9.8	1512	US-08-882-238A-3	Sequence 3, Appl1
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15	604.4	9.8	1512	US-09-220-459-3	Sequence 3, Appl1
16	604.4	9.8	1512	US-08-546-568B-3	Sequence 3, Appl1
17	603.4	9.8	1509	US-08-822-999-2	Sequence 2, Appl1
18	601.8	9.8	1509	US-08-791-347-2	Sequence 2, Appl1
19	556.6	9.0	1968	PCT-US95-14024-2	Sequence 2, Appl1
20	556.6	9.0	1969	US-08-336-235A-2	Sequence 2, Appl1
21	556.6	8.4	1491	US-08-649-432-2	Sequence 2, Appl1
22	519.6	8.4	1491	US-08-336-235A-3	Sequence 3, Appl1
23	519.6	8.4	1491	US-08-649-432-3	Sequence 3, Appl1
24	519.6	8.4	1491	PCT-US95-14024-3	Sequence 3, Appl1
25	204	3.3	642	US-08-822-999-9	Sequence 9, Appl1
26	204	3.3	643	US-08-791-347-15	Sequence 15, Appl1
27	174.2	2.8	282	US-08-133-629-8	Sequence 8, Appl1

C 28	173.6	2.8	17327	1	US-07-906-871-15	Sequence 15, Appl1
C 29	171.6	2.8	10380	4	US-09-077-354B-3	Sequence 3, Appl1
C 30	170	2.8	11288	4	US-08-646-901A-1	Sequence 1, Appl1
C 31	170	2.8	11288	4	US-08-481-968A-4	Sequence 4, Appl1
C 32	169	2.7	5543	2	US-08-687-080-101	Sequence 101, App
C 33	167.8	2.7	36741	4	US-09-301-665-3	Sequence 3, Appl1
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C 35	165.4	2.7	80595	4	US-09-078-294-3	Sequence 3, Appl1
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C 40	164.6	2.7	6769	1	US-08-483-553-20	Sequence 20, Appl1
C 41	164.6	2.7	6769	1	US-08-487-002-20	Sequence 20, Appl1
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C 45	164.6	2.7	6769	5	PCT-US95-10202-20	Sequence 20, Appl1

ALIGNMENTS

RESULT 1
US-08-938-669A-3
; Sequence 3, Application US/08938669A
; Patent No. 6171788
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
; TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND
; TITLE OF INVENTION: RELATED DISEASES
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howrey & Simon
; STREET: 1299 Pennsylvania Avenue, N.W.
; City: Washington
; STATE: DC
; COUNTRY: USA
; Zip: 20004-2402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938, 669A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/791,154
; FILING DATE: 28-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mendelson, Elliot
; REGISTRATION NUMBER: P-42, 878
; REFERENCE/DOCKET NUMBER: 07425-0034
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 383-6857
; TELEFAX: 202 383-6610
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6169 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-938-669A-3

Query Match 100.0%; Score 6169; DB 4; Length 6169;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 6169; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	181	CAGATGCTGCTCCGCACAGAAAGCTATTCTTCAGGAATCATCATCAATATATGTAAATC	240
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 ; Sequence 1, Application US/08938669A
 ; Patent No. 6171788
 ; GENERAL INFORMATION:
 ; APPLICANT: Nguyen, Thai D.
 ; APPLICANT: Polansky, Jon R.
 ; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
 ; TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND
 ; TITLE OF INVENTION: RELATED DISEASES
 ; NUMBER OF SEQUENCES: 32
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: Howrey & Simon
 ; STREET: 1299 Pennsylvania Avenue, N.W.
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20004-2402
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:

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APPLICATION NUMBER: US/08/938,669A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/791,154
FILING DATE: 28-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mendelson, Elliot
REGISTRATION NUMBER: P-42, 878
REFERENCE/DOCKET NUMBER: 07425-0034
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 383-6857
TELEFAX: 202 383-6610
TELEX:
INFORMATION FOR SEQ. ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5300 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-938-669A-1
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Query Match      85.5%: Score 5275.4; DB 4; Length 5300;
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QY 3841 catctcagcagtgatctacatctgaatctgaagaaatgaagcagctgagccttctgagc 3900
| | | | |
Db 3841 catctcagcagtgatctacatctgaatctgaagaaatgaagcagctgagccttctgagc 3900
| | | | |
QY 3901 taaacaaacaccagtgctgaatgtctcagagtcaggtctaaactgcaagcaatcaaat 3959
| | | | |
Db 3901 taaacaaacaccagtgctgaatgtctcagagtcaggtctaaactgcaagcaatcaaat 3959
| | | | |
QY 3960 aagaatagaatctttagagcaaacgtgtgttctcacaatctggaaggtgagctgtccagg 4019
| | | | |

[illegible]

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Db      5040 ATAGGAACATTAATTGGGCTATGGGTGCATAATTGGCATGTTCTTTTTAAAAAGAANA CT 5099
Qy      5100 ccaaacagcgtcttcygaagtatatttcctaagaalcttgctggacgcgltgaaggcaacc 5159
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Db      5100 CCAAAACAGACTTCTTGGAAGGTATTTTCTAAGAACTTGCTGGCAGCGTGAAGGCAACC 5159
Qy      5160 cccttgtcacagccccaccaccagctcccaogtgcacaccttgctctcccacaagaggct 5219
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Db      5160 CCCTGTGCACACCCCCACCACCCACGCTCACGTGGCACCTGTCCTTCCCACATGAAGGGCT 5219
Qy      5220 ggcctcccgatataataaacctctctgagctcgagcgtgaagcagcaagccaacct 5279
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Qy      5280 ccaaggcacctctcagcacagc 5300
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Db      5280 CCAGGCACCTCTCACACAGC 5300

RESULT          3
US-08-938-669A-2
; Sequence 2, Application US/08938669A
; Patent No. 6171788
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
;                   PROGNOSIS AND TREATMENT OF GLAUcoma AND
;                   TITLE OF INVENTION: RELATED DISEASES
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howrey & Simon
; STREET: 1299 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004-2402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938.669A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/791.154
; FILING DATE: 28-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mendelson, Elliot
; REGISTRATION NUMBER: P-42.878
; REFERENCE/DOCKET NUMBER: 07425-0034
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 383-6857
; TELEFAX: 202 383-6610
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5304 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-938-669A-2

Query Match      85.2%; Score 5253.4; DB 4; Length 5304;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 5293; Conservative 0; Mismatches 6; Indels 6; Gaps 3.

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QY	61	tcctctaataacgtctabagcctccatctggaigtatgctcttgccagga tga caaagataca	120
Db	61	TCCTCTAAACGTGTATAGCGCTCCATTCGATGTATGTCTTTGGCAGGATCATTAAGATCA	120
QY	121	ggaagaagaatataccagctctagccaagtgctcaagcgtgctctgctctatttttagtga	180
Db	121	GGAAACAAGAGCTATCCAGCTTAGCCAGTGTCCAGCGTGTCTCTTATTTTATGTGA	180
QY	181	caagatgtgtcctccctgacagaagctatctctccaggaatacaca tccaa latgltaaatc	240
Db	181	CAGATGTGTCCTCCAGACGAAGCTATTTCTTCAGAAACATCATCATCAATATGTGTAATC	240
QY	241	catcaaaagagagcttaaaagaaacagaatctgaagatggagacgtggccaaaggaataatggccag	300
Db	241	CATTCAAACAGAGCTTAAGAAACAGGAATGAGATGGGACTGTGCCCAAGGAATAATGGCCAG	300
QY	301	gagagcaaaatactgatagaataataaactcttcccttgctcttcaatctcaaggaataaatactg	360
Db	301	GAGAGCAAAATATGATGTAATAAATTTTCCCTTGTTTTAAATTTTCAGGAAAAAATG	360
QY	361	atgagagcccaaaatacaatagaa taagaaaaacagctcaagaaataagtgcttccaaatctgg	420
Db	361	ATGAGAGCCAAAATCAATGAATTAAGAAAAACAGCTCAGAAAAAAGATGTGTTCCAAATGG	420
QY	421	taaatgaagctatctgtctcccttggaagaagacctcaca tggagcttga tgggaataatggga	480
Db	421	TAAATTAAGTATTTGTGTCTTGGGAAGAGACCTCATGTGATGCTTTGATGGGAAAAATGGGA	480
QY	481	aaagctcaaaagcatgatactgatacaga tcccaagtgatatacttataaataccagat	540
Db	481	AAAGCTCAAAAAGCATGTATGTATCATGATCCCAAGGAGATTAATTTTAAAAACCAAGT	540
QY	541	ggacacactctgggaagagcaagcttcaagaaagtgca tgttgcaaaagagataaacaataac	600
Db	541	GGCATCACTCTGGGAGGCAAGCTTCAGGAAGGTCTTTTAGCAAAAGACATTAACATTAAC	600
QY	601	agcaaaatcaaaatctccgcaaatgcaaggagaataatgggagactctgggaagacttcataac	660
Db	601	AGCAAAAATCAAAATTTCCGCAAAATGCAGAGAAAAATGGGAGCTGGGAAAACTTTTCAATAAC	660
QY	661	agtgatgggaagatctggcaatgctctggaataaactcccggtctataccaaggaagaaacaaaa	720
Db	661	AGTGATTTAGGCAAGTTGACATGTTGCGAACACCTCCCGCTTATACAGGAAACACAAAA	720
QY	721	atlgagctgggcctaaagccttggaacttcaaaaggaaata tgaataaacttgagacaaacaaa	780
Db	721	ATTGACTGGGCTTAAGCCGTGAGCTTTCAAGGAAATATGAAAAACTGAGCAAAACAAA	780
QY	781	gacatggtataaaggcaaaccaagaaatctgtagaccttcaaaagcagcagtgccccctcagca	840
Db	781	GACATGTTTAAAGGCAACCAAGAACATTTGAGACCTTTCAAAAGCAGCAGGCCCTCACGA	840
QY	841	ggagaccctggaagca tctggcctttaggaagtgcaagcttctcttaaggaactttaaagaactc	900
Db	841	GGAGACCTCGAGGCAATTTTGCCCTTTAGGAAGCCAGTTTCTTAAGGAATTTTAAGAAACTC	900
QY	901	ctgaagaatcaltgaatctttaaacca ttttaagta taaagaanaata tgcga tgcataacag	960
Db	901	TTGAAGAATCTATGAAATTTTAAACCTTTTAAGTATAAACCAAAATATTCGATGATTAATCAG	960
QY	961	cttagagaatgggtcccaatttataaagctagaagcatacaagaataagtgcttccagctcc	1020
Db	961	TTTGAACACTTGGGTCCCAATTTTATAAAGTCAAGGCATPACAAAGGATTAACGTGTCCACGCTCC	1020
QY	1021	ggaatgagctcaagaata tca ttagaaatcaactgtgcctcactccataaacttcttagaatagtatc	1080
Db	1021	GGATATAGCTCAAGAATTCATTTGAATATCACTGTGTCCCATCTTAACCTTTTTCGAATGTATC	1080
QY	1081	tgtcaatagcctctcacacacagcccgatgtgtcttgagactacaacca cta caaacccea	1140
Db	1081	TGTCTATAGCCCTCTCACACAGGCGCCGATGTGTGTGACCTPACAAACACACATCTCAACCCAA	1140

[illegible]

Db	2221	AGCATCCCTTAACAAGCCACCTCCCTAGGGCCCCCTGCTGCCTCATCTGCCCCGAGG	2280
Qy	2281	cccccaagcccgagctctctccaagccctccctccatcaatccaagcgtcgcagctcgagct	2340
Db	2281	CCCCCAAGCCCGAAGTCTTCCAAACGCTCTCTCTCATCATCACTACAGCGCTGCAGCTGGCT	2340
Qy	2341	gctcgcctcccgltgaatcgacctggtgcacatcagctcgtgaagctcctctgctccagct	2400
Db	2341	GCCTCGCTTCCCGGAACTCGCTCTGGTGCATCTGACCTGGAACCTCTTGCGCTCAGGCT	2400
Qy	2401	ccgagaaaggaabtggtgagtggaacacagctctaaagagaaattctgaggggagcaatgtttc	2460
Db	2401	CCAGAAAGGAATTCGAGAGGGAAACATGCTTAACGGCAATTCGAGGGGAGACAGTTC	2460
Qy	2461	ctcagagggaaaaggggcccacagctcccaagagaattccagagagtgaggagctgcagagag	2520
Db	2461	CTCAGAGGGAAGGGGCGCTCCACGCTCAGAGCAATTTCCAGAGGTGGGAGCTGCAGGGAG	2520
Qy	2521	tgaggagcgtcgtggtctgaagcgtgtgtcgtgaaggtcagaaagtgaaagaggtcaggtctga	2580
Db	2521	TGGGAGCGCTGGGGCTGACGGGGTGCTGAAAGCAGGAAGTGAAAGGCAAGGCTGAA	2580
Qy	2581	gcctgccagagatgttcagtgltgtlccaggggcttgaggatltccgtctgcctctgtgaag	2640
Db	2581	GCTGCCAGATGTTCACTGTTGTTCAAGGGGGCTGGAGATTTCCGTTGCTCTCTGAGC	2640
Qy	2641	cttttctcttctctcgtcgtctgagaggaagagatctattcaatgaagagatgcagcttc	2700
Db	2641	CTTTTATCTTCTCTCGCTTGGAGGAGAAAGTCTATTATTAAGAGGATGCAGTTTC	2700
Qy	2701	ataaagctcaagctgtlaaaatccaaggtgtgtcagtggttctctccatcaagaaagccctlat	2760
Db	2701	ATAAAGCTCAAGCTGTTAAATTTCCAGGGGTGCAATGGCTTTCTTCACGAAGGCTTTAT	2760
Qy	2761	ctaaatgggaalataagaaagcgagctcaattcctgaagcgttaatccaagaaagatgag	2820
Db	2761	TTAATGGGAATATAGGAAGGAGACCTATTCTTCAGGCGCTTAATTCACGGAAGATGTAC	2820
Qy	2821	tgagatctcttctctcaatgtctctcttgagaaacacaccccttggtggtgagcttgagcta	2880
Db	2821	TGAGACTCTTTCTTTCATGCTCTCTGCGCAACTACACCCCTGgtggtgagacttgagctTA	2880
Qy	2881	tgcaagaagcgttcgaaabaacccctctgaatccaagagactggtctctctctgltgtlccact	2940
Db	2881	TGCAAGACGGTCGAAMCCTTGGAATCAGAGAGCTCGTTTCTTTCGTCTCCACTT	2940
Qy	2941	ggtctgctgtgcagacgttgaggcaatgtctctctctcccttgggacatgctctctctgct	3000
Db	2941	GGTTCGCTGTGCGCACCGCTGGCGAAGTGTCTCTCTTCCCTGGGGCATATGTCTCTCTCT	3000
Qy	3001	ataaagaccctctgagctctccgtgtctctgtgaacaattccctctgtatctctctgtgaagg	3060
Db	3001	ATAAAGACCCTTGTGAGCTCTCGTGTCTGTGAACACTTCCCTGTATTTCTGTGAAGGG	3060
Qy	3061	ggaatcttgaaagggaaagggagagagctcgtgaagcagctgaagcacaagggaggtggaagg	3120
Db	3061	GGATCTTGAGAGGGGAAGGCGAAGAGCTGTGAAGACTAAGCCACAGGGGAGGTGAAGG	3120
Qy	3121	ggaagaaagggcagggcagaagcttggtgtgcatactgaatccactgaatacgtctcagaatc	3180
Db	3121	GGACAGAGAGGCAAGCGAGAGCTGGGTGCTCATCAGTCTCTCAGTATCAGTCAGACTC	3180
Qy	3181	caggagccgagagccacaatgtctcagggaaaagctcaaatgaaccacaagccacatlttctc	3240
Db	3181	CAGGAGCCGAGAGCCACATATCTTTCAGGAAGCTCAATGAACCAACAGCCACATATTTCT	3240
Qy	3241	tcacttaagcaatagcaaatgtcatcttgcaataacaaagaaatgacagagactaaactgtgt	3300
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Qy	3301	ggtagctcttgctcgtgcattcaaaaacttggtccagagcagctgtgaataatgccaagatctg	3360

Dd	3301	GGTAGCTTTTGCCCTGGCATTTCAAAAACATG6GCCAGACGAAGTGGAAAAATGCCAGATTG	3360
Qy	3361	ltaaaccttcaacctbaccagcaaccocacagcagctcagcaagtgactctgacagcaagc	3420
Dd	3361	TTAAACCTTTTCAOCCCTGACGACGACCCCAOAGCAGCTCAGACACTGACTGCTGACAGCACGG	3420
Qy	3421	agtgacactgcagcgcaaggaggagaagaaagagagagatgctatgacgcaagaa	3480
Dd	3421	AGTAGACCTGCAGCCAGCGGAGGAGAAAGAAAAAGAGAGGATAGTGTGAGCAAGAAAG	3480
Qy	3481	acagatcatctcaaaagggcagtggaattgacccacagggatataagtcacgtyatcccg	3540
Dd	3481	ACAGATTCATTCAAGGGCAGCTGGGAATGACCCACAGGATTTATGTCCAGCTGATCCCTGG	3540
Qy	3541	gtctcagaagcgaaggctatctgtgaggggaaanaacagcttcaagggaagtcgggaga	3600
Dd	3541	GTTCTAGGAGGACAGGCGTATATTGTGGGGGAAAAATATAGTTCAGGGAACTGGGAGA	3600
Qy	3601	ccgtattctcaatactatlatcttcccttcaaacgtgagtaatctgcgcaagtacacag	3660
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Qy	3661	gtagttaactgagcgctgtaagaatctactagttcttcctctataggaactctttctcgt	3720
Dd	3661	GTAGTAAGTGGCGCTGTAAAGATTACTAGTTCCTCTTCTTTGAGAACTCTTTTCTCTGT	3720
Qy	3721	ggagtttagcagcaaaagggaatcccggttctctttaaagggaagaaacatctccaaag	3780
Dd	3721	GGAGTTAGCACACAAAGGGCAATCCGCTTCTTTTACAGGAAGAAACATTCCTTAAG	3780
Qy	3781	laaagcaaaagaatlcaagccclagglctctgcagctacatagatggttcttggaaaat	3840
Dd	3781	TAAAGCCAAACAGATTCACAGCCTGAGCTTCGCTGACTATATATGGTTTTTGAAAAAT	3840
Qy	3841	cattcagcgatglttactactctgatlcaagaaatgagactagatcccttggtcagctg	3900
Dd	3841	CATTTCAGCGATGTGTACTCTGATTTCAGAAATAGACTGTACCCCTTTGGTCAGCTG	3900
Qy	3901	taaacaaacacccagctgttaaatgltcgaagttcgaagcttaactgcagaaaccaatcaaa	3960
Dd	3901	TAAACAAACACCCATTTGTAAATGCTCAAGTTCAGGCTTAAGTCTCAGACCAACATCAAT	3960
Qy	3960	aagaatlaagaatcttgaagcaaaactglttctcccaactcgtgaagtgagtcgtgcagag	4019
Dd	3961	AAGAATAGAACTCTTACAGCAAACTGTGTTCACAC-TCGTGAGGTGAGTCTGCCAAGG	4019
Qy	4020	cagtttvgaaatlatctactccaaglatagacactgctgtgtgatacacaacataag	4079
Dd	4020	CAGTTTGGAAATATTTCCTTCACAAAGATTGACACTGTTGGTATTAACAACTAAAG	4079
Qy	4080	ctgtctcaaaaggcaatcatctatcttcaagtggtctaaagttaactctcgacaagtttggata	4139
Dd	4080	TTGCTCAAAAGCAATCAATTTATTCAGGTGGCTTAAAGTTACTCTTCACAGTTTGGTATA	4139
Qy	4140	cttaattgacctgtgcaatttgccttggtttcttcccttgggttataatgtaaaagca	4199
Dd	4140	TTTATTTGGCTATTTCGCAATTTGGCTTTTGTGTTCCTTTGGGTTTATTAATGTAAGCA	4199
Qy	4200	gggatttataaactacagctccagaaagcctgtaatttgaatgaggaagaaatltacatt	4259
Dd	4200	GGGATTATTAACTACAGTCCAGAAAGCCGTGAATTTGAATGAGGAAAAAATTTCGTTT	4259
Qy	4260	ttgttttttaccacctcttaactaaatttaacatttatacctatgcgaaatagagcataa	4319
Dd	4260	TTATTTTATACACCTTCCTTAACATAAATTTAACATTTTATTCATTCGATATGAGCCATAA	4319
Qy	4320	actcaagttgataaacaagctaccctgtaatttggatacacaatagagaatcaacagaaat	4379
Dd	4320	ACTCAAAAGTGTAAATTAAGAGTACTGTGATTTTGTCTATTACCAATAGAAATCAGACAT	4379
Qy	4380	cttaatacataatlaacgltgtgtgcagatacgtgtgaatgaaataatlaactcaaaact	4439
Dd	4380	TTTATACATTTTTCACCTTGTGTCAGAGTACGTTGTATAGGAATTTTATCTCAAACT	4439


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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/645,900A
FILING DATE: 14 MAY 1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: MARSH, DAVID
REGISTRATION NUMBER: 41,408
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1999 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-645-900A-2

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Query Match          10.4%; Score 640.4; DB 2; Length 1999;
Best Local Similarity 99.8%; Pred. No. 4.4e-147;
Matches 641; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 5301 agagcttccagaaggaagctcccaagagctcgaatgaggtctctctgcaagcttgc 5360
DB 1 AGAGCTTTCAGAGGAAGCTCCACCAAGCTTCGCAATGAGTCTTCTGTGTGACGTTGC 60
QY 5361 tgcagcttggagcctgagatgcaagctctgcaagctctgcttgcctgagctgagtg 5420
DB 61 TGCAGCTTTGGGCTGAGATGCGCAGCTGTCCACAGCTCTCTGCTGCTGCTGCTGCTG 120
QY 5421 gactgaggagcagagcagctcagctcagagagagcgaatgagcagagtgagctgag 5480
DB 121 GATGTGGGGGCCAGAGACGCTGCTCAGAGAGGCAATGACAGAGTGGCCGATGCCAG 180
QY 5481 tatacctcagtgtagcagctcccaatgaaatcagctgagcagagagagagcagagcag 5540
DB 181 TATACCTTCAGTGTGCGCATGTCATGATCCAGCTGCGCCAGAGAGAGCCAGGCGCATG 240
QY 5541 tcaagtcataacttcaacagagagagcagcagcagcagcagcagcagcagcagcagc 5600
DB 241 TCAGTCATCCATAAATTCAGAGAGAGACAGCAGCAGCCCAACGCTTAGACCTGAGGCGCAC 300
QY 5601 aaagcttccagaaggaagctcccaagagctcgaatgaggtctctctgcaagcttgc 5660
DB 301 AAAGCTTCAGAGGAAGCTCCACCAAGCTTCGCAATGAGTCTTCTGTGTGACGTTGC 360
QY 5661 agagcccaagagagcagcagagagagagctgagagagagctgagcagcctgagagcag 5720
DB 361 AGGCCCCAGAGAGCCAGAGAGGGGCTGCGAGAGGAGACTGGCAGCCCTGAGGGGGAGCGG 420
QY 5721 gaccagctgagaaacccaaacagagagtgtagagctgcttcaagcaaacctctccagag 5780
DB 421 GACCAAGCTGGAACCCAAACAGAGAGTGGAGAGCTGCTTACAGCAACCTCTCCGAGAC 480
QY 5781 aagtcagctcagagagagagagagagcagcagcagcagcagcagcagcagcagcag 5840
DB 481 AAGTCAGCTTCGAGAGAGAGAGAGAGGAGCTTAAGGCAAGAAATGAGAAATCTGGCGAG 540
QY 5841 aggtctgagaaagcagcagcagagagtgagcaagctgagagagagcagctgctccagagc 5900
DB 541 AGGTGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
QY 5901 cgaagcaactgctcgggctgctgacacagagctccagagaaagt 5942
DB 601 CGAGACACTGCTGGGGCTGTGCTGACACAGGCTCCAGAGAGATT 642

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RESULT 7
US-08-882-238A-2
Sequence 2, Application US/08882238A
Patent No. 5854415
GENERAL INFORMATION:
APPLICANT: NGUYEN, THAI D.
APPLICANT: POLANSKY, JON R.
APPLICANT: HUANG, WEIDONG
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVE., N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,238A
FILING DATE: 25 JUNE 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MARSH, DAVID
REGISTRATION NUMBER: 41,408
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1999 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-882-238A-2

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Query Match          10.4%; Score 640.4; DB 2; Length 1999;
Best Local Similarity 99.8%; Pred. No. 4.4e-147;
Matches 641; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 5301 agagcttccagaaggaagctcccaagagctcgaatgaggtctctctgcaagcttgc 5360
DB 1 AGAGCTTTCAGAGGAAGCTCCACCAAGCTTCGCAATGAGTCTTCTGTGTGACGTTGC 60
QY 5361 tgcagcttggagcctgagatgcaagctctgcaagctctgcttgcctgagctgagtg 5420
DB 61 TGCAGCTTTGGGCTGAGATGCGCAGCTGTCCACAGCTCTCTGCTGCTGCTGCTGCTG 120
QY 5421 gactgaggagcagagcagctcagctcagagagagcgaatgagcagagtgagctgag 5480
DB 121 GATGTGGGGGCCAGAGACGCTGCTCAGAGAGGCAATGACAGAGTGGCCGATGCCAG 180
QY 5481 tatacctcagtgtagcagctcccaatgaaatcagctgagcagagagagcagagcag 5540
DB 181 TATACCTTCAGTGTGCGCATGTCATGATCCAGCTGCGCCAGAGAGCCAGGCGCATG 240
QY 5541 tcaagtcataacttcaacagagagagcagcagcagcagcagcagcagcagcagcagc 5600
DB 241 TCAGTCATCCATAAATTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
QY 5601 aaagcttccagaaggaagctcccaagagctcgaatgaggtctctctgcaagcttgc 5660
DB 301 AAAGCTTCAGAGGAAGCTCCACCAAGCTTCGCAATGAGTCTTCTGTGTGACGTTGC 360
QY 5661 agagcccaagagagcagcagagagagagctgagagagagctgagcagcctgagagcag 5720

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Db 1 agagcttccagaggaagcctccacgaagcctctgcaatgagttctctgctgcaagcttgc
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61 tgcagctcttgagctgagatgacagctgctccagctgctgctctgctgctgctgctgctg
QY 5421 gatgtggggccagagacagctcagctcagctcagctcagctcagctcagctcagctcag
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QY 5721 gaccagctgagagagagagagagagagagagagagagagagagagagagagagag
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RESULT 10
US-08-546-568B-2
; Sequence 2, Application US/08546568B
; Patent No. 6248867
; GENERAL INFORMATION:
; APPLICANT: NGUYEN, THAI D.
; APPLICANT: POLANSKY, JON R.
; APPLICANT: HUANG, WEIDONG
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
; TITLE OF INVENTION: GLAUCOMA
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWREY & SIMON
; STREET: 1299 PENNSYLVANIA AVE., N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: US
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/546,568B
; FILING DATE: 20 October 1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: MARSH, DAVID
; REGISTRATION NUMBER: 41,408

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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 383-7451
; TELEFAX: (202) 383-6610
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1999 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-546-568B-2

Query Match
Best local Similarity 99.8%; Score 640.4; DB 4; Length 1999;
Matches 641; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 5361 tgcagcttggagctgagatgacagctctgcaatgagttctctgctgcaagcttgc 5420
Db 61 TGCAGCTTTGGGCTGAGATGCCAGCTGTCCAGCTCTCTCTTGGCTGTGCTGTG 120
QY 5421 gatgtggggccagagacagctcagctcagagagagagagagagagagagagagagagag
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601 CGAGACACTGCTCGGAGCTGTGCCACCAAGCTTCAGAGAGAGTT 642

RESULT 11
US-08-791-347-1
; Sequence 1, Application US/08791347
; Patent No. 5885776
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; APPLICANT: Sheffield, Val C.
; APPLICANT: Alward, Wallace L.M.
; TITLE OF INVENTION: GLAUCOMA COMPOSITIONS AND THERAPEUTIC
; TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR
; NUMBER OF SEQUENCES: 16

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1      SOFTWARE: Patentin Release #1.0, Version #1.25
2
3      CURRENT APPLICATION DATA:
4      APPLICATION NUMBER: US/08/667,790A
5      FILING DATE: 21 JUNE 1996
6
7      CLASSIFICATION:
8
9      ATTORNEY/AGENT INFORMATION:
10     NAME: MARSH, DAVID
11     REGISTRATION NUMBER: 41,408
12     TELECOMMUNICATION INFORMATION:
13     TELEPHONE: (202) 383-7451
14     TELEFAX: (202) 383-6610
15
16     INFORMATION FOR SEQ ID NO: 3:
17     SEQUENCE CHARACTERISTICS:
18     LENGTH: 1512 base pairs
19     TYPE: nucleic acid
20     STRANDEDNESS: single
21     TOPOLOGY: linear
22
23     MOLECULE TYPE: cDNA
24
25     JS-08-667-790A-3

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Query Match	9.8%	Score 604.4	DB 2	Length 1512
Best Local Similarity	99.8%	Pred. No. 2.5e-138		
Matches 605	Conservative	0	Mismatches 1	Indels 0
				Gaps 0

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Db	61	CTGCTTGTGGCCTGCCTGGTGATGTGGAGTGTGGGGCCAGAGACGTCTACGTCCAGGAAGCC	120
Oy	5457	aatgacacagatggtgcgatagtccagataacctcagtggtggccagtcccaatgatatccagc	5516
Db	121	AATGACCAAGTGTGGCCGATGCCAGTATACCTTTCAGTGTGGCCAGTCCCAATGAATCCAGC	180
Oy	5517	tgcaccaagacagagccagagccagctgactgactcactaaacttaacatacagagagacagacac	5576
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Oy	5577	caacagctttagacctgtaggtgagccaccaaaagctcgactagctccctgtagagagctctccac	5636
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Patent No. 6150161
GENERAL INFORMATION:
APPLICANT: Nguyen, Thai D
APPLICANT: Polansky, Jon R
APPLICANT: Huang, Weldon
TITLE OF INVENTION: Methods for the Diagnosis of Glaucoma
FILE REFERENCE: 07425.0056
CURRENT APPLICATION NUMBER: US/09/220,459
CURRENT FILING DATE: 1998-12-24
EARLIER APPLICATION NUMBER: 08/882,238
EARLIER FILING DATE: 1997-06-25
EARLIER APPLICATION NUMBER: 08/649,432
EARLIER FILING DATE: 1996-05-17
EARLIER APPLICATION NUMBER: 08/546,568
EARLIER FILING DATE: 1995-10-20
EARLIER APPLICATION NUMBER: 08/336,235
EARLIER FILING DATE: 1994-11-03
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 1512
TYPE: DNA
ORGANISM: Homo sapiens
OS-09-220-459--3

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Query Match	9.8%	Score 604.4	DB 3	Length 1512
Best Local Similarity	99.8%	Pred. No. 2.5e-138		
Matches 605	Conservative 0	Mismatches 1	Indels 0	Gaps 0

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